

**IN THE CLAIMS:**

Amend claims 2, 6-10, 21, 29, 30 and 31 and cancel claims 1, 20, 27 and 28 without prejudice or admission as shown in the following listing of claims, which replaces all previous versions and listings of claims.

1. (canceled).

2. (currently amended) A network system comprising:  
a first LAN; a second LAN; storage means for storing data  
accessible from the first LAN and the second LAN; and control  
means for controlling accessibility of the data stored in the  
storage means from the first LAN and the second LAN, the  
control means including access prevention means for preventing  
access from the first LAN to the second LAN and from the  
second LAN to the first LAN, and ~~according to claim 1; wherein~~  
~~the control means includes~~ means for overriding a setting of  
the access prevention means to allow accessibility of the  
second LAN from the first LAN.

3. (previously presented) A network system according to claim 2; wherein the first LAN comprises a LAN on a factory side and the second LAN comprises a LAN on a device side.

4. (previously presented) A network system according to claim 3; further comprising communication means for communicating the second LAN to a remote service center to allow remote maintenance of the second LAN.

5. (previously presented) A network system according to claim 4; wherein the second LAN comprises a manufacturing apparatus.

6. (currently amended) A network system comprising:  
a first LAN comprised of a LAN on a factory side; a second LAN  
comprised of a LAN on a device side; storage means for storing  
data accessible from the first LAN and the second LAN; and  
control means for controlling accessibility of the data stored  
in the storage means from the first LAN and the second LAN,  
the control means including access prevention means for  
preventing access from the first LAN to the second LAN and  
from the second LAN to the first LAN. ~~according to claim 1;~~  
~~wherein the first LAN comprises a LAN on a factory side and~~  
~~the second LAN comprises a LAN on a device side.~~

7. (currently amended) A network system according to ~~claim 1; further~~ claim 6; further comprising communication means for communicating the second LAN to a remote service center to allow remote maintenance of the second LAN.

8. (currently amended) A network system according to ~~claim 1; wherein~~ claim 6; wherein the second LAN comprises a manufacturing apparatus.

9. (currently amended) A network system according to ~~claim 1; wherein~~ claim 6; wherein the second LAN comprises an inspection apparatus.

10. (currently amended) A network system according to ~~claim 1; wherein~~ claim 6; wherein the second LAN comprises a charged particle beam apparatus.

11. (previously presented) A network system according to claim 2; further comprising communication means for communicating the second LAN to a remote service center to allow remote maintenance of the second LAN.

12. (previously presented) A network system according to claim 2; wherein the second LAN comprises a manufacturing apparatus.

13. (previously presented) A network system according to claim 2; wherein the second LAN comprises an inspection apparatus.

14. (previously presented) A network system according to claim 2; wherein the second LAN comprises a charged particle beam apparatus.

15. (previously presented) A network system according to claim 3; wherein the second LAN comprises a manufacturing apparatus.

16. (previously presented) A network system according to claim 3; wherein the second LAN comprises an inspection apparatus.

17. (previously presented) A network system according to claim 3; wherein the second LAN comprises a charged particle beam apparatus.

18. (previously presented) A network system according to claim 4; wherein the second LAN comprises an inspection apparatus.

19. (previously presented) A network system according to claim 4; wherein the second LAN comprises a charged particle beam apparatus.

20. (canceled).

21. (currently amended) A network system comprising: a first local area network; a second local area network; a storage device for storing data; and control means for controlling independent accessibility of the data stored in the storage device from the first local area network and the second local area network without allowing access from the

first local area network to the second local area network and  
from the second local area network to the first local area  
network. ~~according to claim 20; wherein the first data~~  
~~transmission network comprises a first local~~  
~~area network and the second data transmission network~~  
~~comprises a second local area network.~~

22. (previously presented) A network system according to claim 21; wherein the first local area network is connected to the second local area network via a transmission control protocol/internet protocol.

23. (previously presented) A network system according to claim 22; wherein the control means comprises a first network card driver for transmitting a signal from the first local area network to the storage device to allow access of the data in the storage device by the first local area network, and a second network card driver for transmitting a signal from the second local area network to the storage device to allow access of the data in the storage device by the second local area network.

24. (previously presented) A network system according to claim 21; further comprising communication means for communicating the second local area network to a remote service center to allow remote maintenance of the second local area network.

25. (previously presented) A network system according to claim 24; wherein the communication means does not permit access of the first local area network by the remote service center.

26. (previously presented) A network system according to claim 21; wherein the control means comprises an input device for inputting data corresponding to a setting allowing accessibility of the second local area network from the first local area network.

27. - 28. (canceled).

29. (currently amended) A network system according to ~~claim 20; wherein~~ claim 21; wherein the second ~~data transmission~~ local area network comprises a manufacturing apparatus.

30. (currently amended) A network system according to ~~claim 20; wherein~~ claim 21; wherein the second ~~data transmission~~ local area network comprises an inspection apparatus.

31. (currently amended) A network system according to ~~claim 20; wherein~~ claim 21; wherein the second ~~data transmission~~ local area network comprises a charged particle beam apparatus.